

**BUREAU OF INDIAN STANDARDS**

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DRAFT AMENDMENT NO. 1  
TO  
IS 15636: 2022

Automotive Vehicles — Pneumatic Tyres for Commercial Vehicles  
— Diagonal and Radial Ply — Specification  
(*Second Revision*)  
*ICS 83.160.10*

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Automotive Tyres, Tubes and Rims Sectional Committee,  
TED 07

Last Date for Comments: **14.07.2024**

**DRAFT AMENDMENT NO. 1  
TO  
IS 15636: 2022**

**AUTOMOTIVE VEHICLES — PNEUMATIC TYRES FOR COMMERCIAL  
VEHICLES  
— DIAGONAL AND RADIAL PLY — SPECIFICATION  
(Second Revision)**

(Page 4, clause 3.30) Insert the following after clause 3.30:

**3.31 Special Use Tyre** — A tyre intended for mixed use both on and off road or for other special duty. These tyres are primarily designed to initiate and maintain the vehicle in motion in off-road conditions.

[Page 4, clause 4.1.3 (a), NOTE 2, line 3] — Substitute ‘less than or equal to’ for ‘less than’.

[Page 6, clause 5.1 (d)] Substitute the following for the existing:

d) *Speed symbol* (or *symbols*) – An indication of tyre’s nominal speed symbol and a second speed symbol along with load index, if applicable, in form of the symbol given in 3.28;

(Page 6, clause 5.3) Substitute the following for existing:

**5.3** Markings given in 5.1 shall be permanently moulded into or permanently engraved/etched on the tyres. These shall be clearly legible and situated in the lower area of the tyre on at least one of its sidewalls, except for the inscription mentioned in paragraph 5.1 (a) Engraving/etching shall be done during the manufacturing process of the tyre and not later than 24 h after the removal of the tyre from the mould.

(Page 19, Table 12) Substitute the following for existing:

**Table 12 Ultra-Light Truck Tyres (Code Designated Diagonal Ply)**  
(Clauses 4.1.1.1, 4.1.1.2, 4.1.1.3, 4.1.2, 4.1.3 and 6.3)

SI No.	Tyre Size Designation	Rim Rec. Alt.	New Tyre – Inflated										
			Width (mm)			Overall Diameter (mm)			Ply Rating	Maximum Load (corresponding to Ply Rating) kg Single/Dual	Load Index Single /Dual	Maximum Load (Corresponding to Load Index) kg Single/Dual	Cold I. P <sup>1)</sup> kPa (Corresponding to load) Single/Dual
			Design Section Width	Minimum Section Width	Maximum Overall Width	Design	Minimum	Maximum					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
i)	4.0-10 ULT	3.00B 3.50B	110 115	106 111	116 121	466	460	485	4	365	73	365	345

ii)	4.50-10 ULT	<u>3.50B</u> 3.00B	125 120	121 116	134 129	490	483	497	8	500	84	500	500
iii)	5.0-10 ULT	<u>3.50</u> 3.50B 3.00B	134 129	130 125	143 138	516	508	524	8	545	87	545	500
iv)	4.5-12 ULT	<u>3.5J</u> 4J	128 133	124 129	136 141	545	537	553	6 8	355/340 415/395	72/70 77/76	355/335 412/400	300/300 400/400
v)	5.0-12 ULT	<u>3.50B</u> 3.00B 4.00B	137 132, 142	133 128,13 8	147 142,152	568	560	576	4 6 8	365/345 412/400 487/462	73/71 77/76 83/81	365/345 412/400 487/462	240/240 300/300 400/400

**NOTES**

1 Recommended shown underlined.

2 Rims: Sizes not underlined above are permitted, but one and the same tyre may not be suitable for more than two rim widths or flange profiles. Before deciding a rim size/type, the tyre manufacturer should be consulted regarding suitability of the size/type intended to be used with a permitted rim. SDC rims provide ease of tyre mounting/demounting, particularly important for the high Ply rating tyres.

<sup>(1)</sup> Inflation pressure

(Page 23, Table 15) Substitute the following for existing:

**Table 15 Truck, Bus and Trailer Tyres in Highway Service (Metric Designated Radial Ply)**  
(Clauses 4.1.1.1, 4.1.1.2, 4.1.1.3, 4.1.2, 4.1.3 and 6.3)

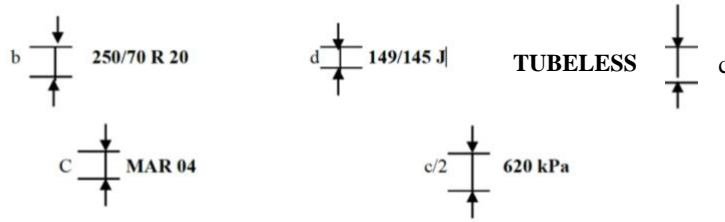
SI No.	Tyre Size Designation	Rim Rec. Alt.	New Tyre Inflated								
			Width (mm)			Overall Diameter (mm)			Load Index Single /Dual	Maximum Load (Corresponding to Load Index) kg Single/Dual	Cold I. P <sup>1)</sup> kPa (Corresponding to load) Single/Dual
			Design Section Width	Minimum Section Width	Maximum Overall Width	Design HW/HT/ TR/DT <sup>1</sup>	Minimum HW/HT/ TR/DT <sup>1</sup>	Maximum HW/HT/ TR/DT <sup>1</sup>			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
i)	295/90R20	<u>8.00</u> 7.50	<u>294</u> 289	<u>277</u> 272	<u>308</u> 303	1039/ 1044/ 1051/ 1059	1024/ 1028/ 1035/ 1043	1070/ 1076/ 1083/ 1092	152/148	3550/3150	850/850
ii)	275/90R20	<u>7.0J</u> 7.5 J	<u>269</u> 274	<u>253</u> 258	<u>282</u> 287	1004/ 1009/ 1016/ 1024	990/ 994/ 1001/ 1009	1033/ 1039/ 1046/ 1054	149/145	3250/2900	125/125

NOTE- HW- Highway, HT- Heavy Tread, TR- Traction, DT- Deep Traction

<sup>1)</sup>Inflation pressure

(Page 42, clause E-1) Substitute the following for existing:

**E-1 TYRE MARKINGS**



Minimum Heights of Markings, mm		
	Tyres of Rim Diameter < 20" or < 508 mm or of Section Width ≤ 235 mm or ≤ 9"	Tyres of Rim Diameter ≥ 20" or ≥ 508 mm or of Section Width > 235mm or > 9"
b	6	6
c		4
d		6

(Page 44, Annex G, SI No. 21) Insert the following after SI No. 21 and renumber the subsequent numbers:

22. if reference to Standards Manuals of Organizations (illustrated in Sr. No. 21) is not available:

22.1 Applicant to submit a declaration from vehicle manufacturer (OEM) with Vehicle make, maximum speed, axle loads and size of rim used.

22.2 Applicant to submit a self-declaration with Vehicle make, maximum speed, axle loads and size of rim used, if OEM declaration is not available